## IN THE CLAIMS:

- 1. (Currently Amended) A light device comprising:
- a light source;
- a concave reflector;
- a lens projection system; and
- a collecting lens between said light source and said reflector; wherein said collecting lens is movable along an optical axis relative to said light source and said reflector;

said light source, reflector and lens system being substantially aligned relative to an said optical axis such that a light beam emitting from said device is collimated into a substantially parallel light beam having a diameter less than the diameter of said reflector.

- 2. (Canceled)
- 3. (Canceled)
- 4. (Original) A light source as set forth in Claim 1, wherein said collecting lens is a biconvex lens.
  - 5. (Canceled)
- 6. (Original) A light source as set forth in Claim 1, wherein said light source is located substantially at a focal point of said reflector.
- 7. (Previously Presented) A light source as set forth in Claim 1, wherein said collecting lens has a focal length of  $l_1$  between about 1.25 and about 2.0 times the focal length,  $l_2$ , of said reflector..
- 8. (Previously Presented) A light source as set forth in Claim 1, wherein said collecting lens is disposed a distance  $d_1$ , from said source relative to said optical axis and said reflector is disposed a distance  $d_2$  from said source relative to said optical axis, where  $d_1 \ge \frac{1}{2}d_2$ .
- 9. (Original) A light source as set forth in Claim 1, wherein said reflector has a focal length, l, and said collecting lens is disposed at a distance, d, from said reflector relative to said optical axis, where  $0.25l \le d \le 0.5l$ .
- 10. (Original) A light source as set forth in Claim 1, where a diameter of said collecting lens is at least as great as a diameter of said reflector.
  - 11. (Canceled)
  - 12. (Original) A light source as set forth in Claim 1, further comprising a diaphragm

disposed between said source and said lens projection system.

- 13. (Original) A light source as set forth in Claim 12, wherein said diaphragm has an aperture dimensioned to minimize transmission of unreflected light along said optical axis towards said lens projection system, where said unreflected light is light transmitted directly from said source free from reflection by said reflector.
  - 14-23. (Canceled).
  - 24. (Previously Presented) A light device comprising:
  - a light source;
  - a concave reflector;
  - a lens projection system;

said light source, reflector and lens system being substantially aligned relative to an optical axis; and

a collecting lens between said light source and said reflector, wherein said collecting lens is movable along said optical axis relative to said light source and said reflector.

- 25. (Previously Presented) A light source as set forth in Claim 24, wherein said collecting lens is a biconvex lens.
- 26. (Previously Presented) A light source as set forth in Claim 24, wherein said reflector has a focal length, l, and said lens projection system and said reflector are separated by a distance, d, where  $d \ge 1.5l$ .
- 27. (Previously Presented) A light source as set forth in Claim 24, wherein said collecting lens has a focal length of  $l_1$  and said reflector has a focal length  $l_2$ , where  $1.25l \le 2.0l_1$ .
- 28. (Previously Presented) A light source as set forth in Claim 24, wherein said collecting lens is disposed a distance d, from said source relative to said optical axis and said reflector is disposed a distance  $d_2$  from said source relative to said optical axis, where  $d_1 \ge \frac{1}{2}d_2$ .
- 29. (Previously Presented) A light source as set forth in Claim 24, wherein said reflector has a focal length, l, and said collecting lens is disposed at a distance, d, from said reflector relative to said optical axis, where  $0.25l \le d \le 0.5l$ .
  - 30. (Previously Presented) A light device comprising:
  - a light source;
  - a concave reflector;

a lens projection system;

said light source, reflector and lens system being substantially aligned relative to an optical axis; and

a collecting lens between said light source and said reflector, wherein said collecting lens is disposed a distance  $d_1$ , from said source relative to said optical axis and said reflector is disposed a distance  $d_2$  from said source relative to said optical axis, where  $d_1 \ge \frac{1}{2}d_2$ .

- 31. (Previously Presented) A light source as set forth in Claim 30, wherein said collecting lens has a focal length of  $l_1$  and said reflector has a focal length  $l_2$ , where 1.25  $l_2 \le l_1 \le 2.0$   $l_2$ .
- 32. (Previously Presented) A light source as set forth in Claim 30, wherein said reflector has a focal length,  $l_2$ , and said lens projection system and said reflector are separated by a distance,  $d_3$ , where  $d_3 \ge 1.5 l_2$ .
- 33. (Previously Presented) A light source as set forth in Claim 30, wherein said reflector has a focal length,  $l_2$ , and said collecting lens is disposed at said distance,  $d_4$ , from said reflector relative to said optical axis, where  $0.25 l_2 \le d_4 \le 0.5 l_2$ .
  - 34. (Previously Presented) A light device comprising:
  - a light source;
  - a concave reflector having a focal length, l;
  - a lens projection system;

said light source, reflector and lens system being substantially aligned relative to an optical axis; and

a collecting lens disposed at a distance,  $d_l$ , from said reflector relative to said optical axis, where  $0.25 l \le d_1 \le 0.5 l$ , and wherein said collecting lens is disposed between said light source and said reflector.

- 35. (Previously Presented) A light source as set forth in Claim 34, wherein said lens projection system and said reflector are separated by a distance,  $d_2$ , where  $d_2 \ge 1.5l$ .
- 36. (Previously Presented) A light source as set forth in Claim 34, wherein said collecting lens has a focal length of  $l_1$ , where  $1.25 l \le l_1 \le 2.0 l$ .
- 37. (Previously Presented) A light source as set forth in Claim 34, wherein said collecting lens is disposed a distance  $d_3$ , from said source relative to said optical axis and said reflector is disposed a distance  $d_4$  from said source relative to said optical axis, where  $d_3 \ge 0.5 d_4$ .

- 38. (Previously Presented) A light device comprising:
- a light source;
- a concave reflector having a focal length of  $l_1$ ;
- a lens projection system;

said light source, reflector and lens system being substantially aligned relative to an optical axis; and

a collecting lens between said light source and said reflector, said collecting lens having a focal length of  $l_2$  between about 1.25 and about 2.0 times the focal length  $l_1$  of said reflector.

- 39. (Previously Presented) A light source as set forth in Claim 38, wherein said lens projection system and said reflector are separated by a distance,  $d_1$ , where  $d_1 \ge 1.5l_1$ .
- 40. (Previously Presented) A light source as set forth in Claim 38, wherein said light source is located substantially at a focal point of said reflector.
- 41. (Previously Presented) A light source as set forth in Claim 38, wherein said collecting lens is disposed a distance  $d_2$ , from said source relative to said optical axis and said reflector is disposed a distance  $d_3$  from said source relative to said optical axis, where  $d_2 \ge 0.5 d_3$ .
- 42. (Previously Presented) A light source as set forth in Claim 38, wherein said collecting lens is disposed at a distance,  $d_4$ , from said reflector relative to said optical axis, where  $0.25 l_1 \le d_4 \le 0.5 l_1$ .